

Attorney Docket No. 10557US04

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION OF:)
DAVID P. WILKINSON,)
MARK C. JOHNSON,)
KEVIN M. COLBOW and)
STEPHEN A. CAMPBELL)
SÉRIAL NO.)
FILED: August 1, 2003)
FOR: METHOD AND APPARATUS FOR)
REDUCING REACTANT)
CROSSOVER IN A LIQUID FEED)
ELECTROCHEMICAL FUEL CELL)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants submit herewith an Information Disclosure Statement along with PTO/SB/08A (substitute for form 1449) (copy enclosed herewith), corresponding to the above application. Copies of all cited references were submitted to the office in U.S. Application No. 09/255,428 and the present application relies on the '428 application for an earlier filing date under 35 U.S.C. § 120. Under MPEP 609, copies are not required with the IDS.

<u>U.S. Patent No.</u>	<u>Inventor(s)</u>	<u>Date</u>
4,457,987	Horiba	07/1984
5,035,962	Jensen	07/1991
5,068,161	Keck et al.	11/1991
5,132,193	Reddy et al.	07/1992
5,185,218	Brokman et al.	02/1993
5,277,996	Marchetti et al.	01/1994
5,316,871	Swarthirajan et al.	05/1994
5,409,785	Nakano et al.	04/1995
5,472,799	Watanabe	12/1995
5,501,915	Hards et al.	03/1996
5,523,177	Kosek et al.	06/1996
5,573,866	Van Dine et al.	11/1996
5,672,439	Wilkinson et al.	09/1997
5,874,182	Wilkinson et al.	02/1999

<u>Foreign Patent No.</u>	<u>Country</u>	<u>Date</u>
1,130,733	Great Britain	10/1968
0 090 358	Europe	10/1983
06-203852 (abstract)	Japan	10/1994

<u>Publication</u>	<u>Author(s)</u>	<u>Date</u>
"Dependence of performance of solid polymer electrolyte fuel cells with low platinum loading on morphologic characteristics of the electrodes", <i>J. Applied Electrochem.</i> , Vol. 21, No. 7, pp. 597-605.	Ticianelli et al.	06/1991
"Effect of the Electrode Structure on the Electrocatalytic Oxidation of Low-Weight Alcohols. Applications to the Direct Alcohol Fuel Cell", Proceedings of the Electro-chemical Society, Vol. 94-23, pp. 275-93.	Laborde et al.	1994
"Advances in direct oxidation methanol fuel cells", <i>Journal of Power Sources</i> , Vol. 47, pp. 377-85.	Surampudi et al.	1994
"A Methanol Impermeable Proton Conducting Composite Electrolyte System", <i>J. Electrochem. Soc.</i> , Vol. 142, No. 7, pp. L119-20.	Pu et al.,	07/1995
"Recent Advances in PEM Liquid-Feed Direct Methanol Fuel Cells", 11th Annual Battery Conference Applications and Advances, pp. 113-22.	Narayanan et al.	1996

The above references are listed on the enclosed Form PTO/SB08A entitled "Information Disclosure Statement by Applicant".

Please charge any additional fees incurred in connection
with this submission to Deposit Account No. 13-0017.

Respectfully submitted,

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Dated: August 1, 2003

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<p>Substitute for form 1449A/PTO</p> <h1 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h1> <p style="text-align: center;">(use as many sheets as necessary)</p>			
		Complete if Known	
		Application Number Filing Date First Named Inventor Group Art Unit Examiner Name Attorney Docket Number	August 1, 2003 David P. Wilkinson 10557US04
Sheet	1	of	2

U.S. PATENT DOCUMENTS

Examiner Initial*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		4,457,987	07/1984	Horiba	
		5,035,962	07/1991	Jensen	
		5,068,161	11/1991	Keck et al.	
		5,132,193	07/1992	Reddy et al.	
		5,185,218	02/1993	Brokman et al.	
		5,277,996	01/1994	Marchetti et al.	
		5,316,871	05/1994	Swarthirajan et al.	
		5,409,785	04/1995	Nakano et al.	
		5,472,799	12/1995	Watanabe	
		5,501,915	03/1996	Hards et al.	
		5,523,177	06/1996	Kosek et al.	
		5,573,866	11/1996	Van Dine et al.	
		5,672,439	09/1997	Wilkinson et al.	
		5,874,182	02/1999	Wilkinson et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		1,130,733	10/1968	Great Britain		
		0 090 358	10/1983	Europe		
		06-203852 (Abstract)	10/1994	Japan		

EXAMINER SIGNATURE		DATE CONSIDERED	
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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known	
				Application Number	
				Filing Date	August 1, 2003
				First Named Inventor	
				Group Art Unit	
				Examiner Name	
Sheet	2	Of	2	Attorney Docket Number	10557US04

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		Ticianelli et al., "Dependence of performance of solid polymer electrolyte fuel cells with low platinum loading on morphologic characteristics of the electrodes", <i>J. Applied Electrochem.</i> , Vol. 21, No. 7, pp. 597-605, 06/1991.
		Laborde et al., "Effect of the Electrode Structure on the Electrocatalytic Oxidation of Low-Weight Alcohols. Applications to the Direct Alcohol Fuel Cell", <i>Proceedings of the Electro-chemical Society</i> , Vol. 94-23, pp. 275-93, 1994.
		Surampudi et al., "Advances in direct oxidation methanol fuel cells", <i>Journal of Power Sources</i> , Vol. 47, pp. 377-85, 1994.
		Pu et al., "A Methanol Impermeable Proton Conducting Composite Electrolyte System", <i>J. Electrochem. Soc.</i> , Vol. 142, No. 7, pp. L119-20, 07/1995.
		Narayanan et al., "Recent Advances in PEM Liquid-Feed Direct Methanol Fuel Cells", 11th Annual Battery Conference Applications and Advances, pp. 113-22, 1996.

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